

## CLAIMS:

1. A parallel-link table comprising:
  - a top plate for supporting a subject;
  - 5 an upper structure for supporting said top plate, said upper structure moving relative to said top plate only in a longitudinal direction of said top plate;
  - a base plate for supporting said upper structure, said base plate moving relative to said upper structure only in said longitudinal direction;
  - a platform on a floor, for supporting said top plate, said upper structure
  - 10 and said base plate;
  - a first bracket of a height greater than a distance between said upper structure and said base plate, said first bracket being secured to said upper structure on a side near said platform;
  - parallel links for coupling said base plate and said platform using movable
  - 15 joint portions;
  - a first position correcting link of a length half that of said parallel link, for connecting a middle point of one of said parallel links and said first bracket portion lying on said base plate in said longitudinal direction by movable joint portions; and
  - 20 a first actuator portion for moving said upper structure up/down with respect to said platform.

2. The parallel-link table of claim 1, wherein said upper structure
- 25 has said first bracket in a portion between said parallel links.

3. A parallel-link table comprising:
  - a top plate for supporting a subject;
  - an upper structure for supporting said top plate, said upper structure moving relative to said top plate only in a longitudinal direction of said top plate;
  - 30 a base plate for supporting said upper structure, said base plate moving

relative to said upper structure only in said longitudinal direction;

a second bracket of a height greater than a distance between said upper structure and said base plate, said second bracket being secured to said upper structure on a side near a platform;

5 a platform on a floor, for supporting said top plate, said upper structure, said base plate and said second bracket;

parallel links for coupling said base plate and said platform using movable joint portions;

10 a third bracket lying in a plane between said joint portions on said base plate, said third bracket being movable relative to said base plate only in said longitudinal direction;

a second position correcting link for connecting a middle point of one of said parallel links and said third bracket, said second position correcting link having a length half that of said link;

15 a second actuator portion connecting said third and second brackets; and

a first actuator portion for moving said upper structure up/down with respect to said platform.

20 4. The parallel-link table of claim 1 or claim 3, wherein said parallel links have said joint portions on said base plate or on said platform lying at a distance greater than half the length of said link.

25 5. The parallel-link table of claim 3, wherein said base plate and said third bracket are connected by a linear guide.

6. The parallel-link table of claim 1 or claim 3, wherein said first and second actuator portions comprise a chain-belt driving portion or a roller frictional driving portion.

30 7. The parallel-link table of claim 1 or claim 3, wherein said first

and second actuator portions comprise a cylinder having an extendable piston rod.

8. The parallel-link table of claim 1 or claim 3, wherein said upper  
5 structure and said base plate are connected by a linear guide.

9. The parallel-link table of claim 1 or claim 3, wherein said parallel links are covered with a plate material.

10. The parallel-link table of claim 1 or claim 3, wherein said upper  
10 structure comprises a driving portion for moving said top plate in the longitudinal direction.

11. A tomographic imaging apparatus comprising:  
15 a table section for carrying a subject placed thereon to an imaging region;  
an image acquisition section for acquiring tomographic image information from said subject lying in said imaging region; and  
a control section for controlling the carrying of said subject to said imaging region and the acquisition of said tomographic image information, wherein  
20 said table section comprises: a top plate for supporting said subject in a horizontally lying position; an upper structure for supporting said top plate, said upper structure moving relative to said top plate only in a longitudinal direction of said top plate; a base plate for supporting said upper structure, said base plate moving relative to said upper structure only in said longitudinal direction; a  
25 platform on a floor, for supporting said top plate, said upper structure and said base plate; a first bracket of a height greater than a distance between said upper structure and said base plate, said first bracket being secured to said upper structure on a side near said platform; parallel links for coupling said base plate and said platform using movable joint portions; a first position correcting link of  
30 a length half that of said parallel links, for connecting a middle point of one of

said parallel links and said first bracket portion lying on said base plate in said longitudinal direction by movable joint portions; and a first actuator portion for moving said upper structure up/down with respect to said platform.

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12. The parallel-link table of claim 11, wherein said first and second actuator portions comprise a chain-belt driving portion or a roller frictional driving portion.

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13. The tomographic imaging apparatus of claim 11, wherein said first and second actuator portions comprise a cylinder having an extendable piston rod.